

Grade 5 Academic Standards

Unit 1 Lesson

Science

Standard 1 The Nature and Science of Technology

Technology and Science

- 5.1.5 Explain that technology extends the ability of people to make positive and/or negative changes in the world.
- 5.1.6 Explain how the solution to one problem, such as the use of pesticides in agriculture or the use of dumps for waste disposal, may create other problems.

Standard 4 The Living Environment

Interdependence of Life and Evolution

- 5.4.5 Explain how changes in an organism's habitat are sometimes beneficial and sometimes harmful.

Social Studies

Standard 2 Civics and Government

Roles of Citizens

- 5.2.11 Use a variety of information resources to identify and evaluate contemporary issues that involve civic responsibility, individual rights, and the common good.

Standard 5 Individuals, Society, and Culture

- 5.5.6 Read accounts of how scientific and technological innovations have affected the way people lived in the early United States, and make predictions about how future scientific and technological developments may change cultural life.

Unit 1 - Activities 2, 3, 4, 6 and 7 satisfy the following Indiana academic standards:

Science

- 5.1.2 Explain that doing science involves many different kinds of work and engages men, women, and children of all ages.
- 5.1.5 Explain that technology extends the ability of people to make positive and/or negative changes in the world.
- 5.1.6 Explain how the solution to one problem, such as the use of pesticides in agriculture or the use of dumps for waste disposal, may create other problems.
- 5.3.5 Observe and explain that clouds and fog are made of tiny droplets of water.
- 5.4.5 Explain how changes in an organism's habitat are sometimes beneficial and sometimes harmful

Social Studies

- 5.2.11 Use a variety of information resources to identify and evaluate contemporary issues that involve civic responsibility, individual rights, and the common good.
- 5.5.6 Read accounts of how scientific and technological innovations have affected the way people lived in the early United States, and make predictions about how future scientific and technological developments may change cultural life.